

**BAAQMD Title V Permit  
6 Month Monitoring Report**

*From 7/1/2014 to 12/31/2014*

<b>A0010</b>	
<b>Chevron Richmond Refinery</b>	
<b>Facility Address:</b> 841 Cheyenne Way City: Richmond State: CA Zip Code: 94801	<b>Mailing Address:</b> PO Box 1272 City: Richmond State: CA Zip Code: 94802-0272
<b>Contact:</b> Rachael Justice Title: Compliance Technician Phone: (510) 242-2911	

*Inoperable monitors as defined by BAAQMD Regulations I-522 and I-523 for the reporting period are summarized below:*

Start/End	Stopped	Source (S#)	Abatement Device (A#)	Emission Point (P#)	Fuel	CEM	GLM	Gas	Parameter	NOx	SO2	CO	H2S	TRB	NH3	O2	CO2	H2O	LTA	Lead	Steam Flow	Wind Dir.	Wind Speed	pH	Temp	VOC	Gauge Press.
7/9/2014	5:33 AM	7/10/2014	1:03 PM		S4070	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 7/10/2014																											
Event Description: The O2 analyzer at F-1100A began to malfunction on Wednesday, 7/9/14 at 0533 hours. Repairs completed and successful calibration occurred on 7/10/14 at 1303 hrs.																											
7/15/2014	7:54 AM	7/16/2014	10:03 AM		S4061	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 7/16/2014																											
Event Description: The NOx analyzer at 5NHT F-410/447 began to malfunction on Tuesday, 7/15/14 at 0754 hours. Repairs completed and successful calibration occurred on 7/16/14 at 1003 hours.																											
7/31/2014	5:05 AM	8/1/2014	1:22 PM		S4285	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 8/1/2014																											
Event Description: The SO2 analyzer began to malfunction on 7/31/2014 at 0505 hrs. The last good calibration occurred 7/30/2014 at 1543 hrs. Repairs were made to the SO2 analyzer and a successful calibration occurred 8/1/2014 at 1322 hrs.																											
8/6/2014	12:30 PM	8/7/2014	5:23 PM		S4161	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 8/7/2014																											
Event Description: The F-500 (S-4161/4162/4163) NOx & O2 analyzers began to fail intermittently on 8/6/2014 at 1230 hrs. Repairs complete and successful calibration occurred on 8/7/2014 at 1723 hours.																											
8/9/2014	8:38 PM	8/11/2014	3:19 PM		S4285	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 8/11/2014																											
Event Description: The F-500 SO2 analyzer began to fail on 8/9/2014 at 2038 hrs. The last good calibration occurred 8/9/2014 at 0500 hrs. Repairs complete and successful calibration occurred on 8/11/2014 at 1519 hours.																											
8/20/2014	6:28 AM	8/21/2014	1:25 PM		S4285	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 8/21/2014																											
Event Description: The SO2 analyzer began to malfunction on 8/20/2014 at 0628 hrs. The last good calibration occurred 8/20/2014 at 0500 hrs. Repairs were made to the SO2 analyzer and a successful calibration occurred 8/21/2014 at 1325 hrs.																											
8/26/2014	5:00 AM	8/27/2014	3:22 PM		S4285	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Discovered On:</b> 8/27/2014																											
Event Description: The SO2 analyzer began to malfunction on 8/26/2014 at 0500 hrs. The last good calibration occurred 8/25/2014 at 0535 hrs. Repairs were made to the SO2 analyzer and a successful calibration occurred 8/27/2014 at 1322 Hrs.																											



Start	Stopped	Source (S#)	Abatement Device (A#)	Emission Point (P#)	Fuel	CEM	GLM	Gas	Parameter	NOx	SO2	CO	H2S	TRs	NH3	O2	CO2	H2O	LTA	Opacity/	Lead	Steam Flow	Wind Dir.	Wind Speed	pH	Temp	VOC	Gauge Press.
12/12/2014	4:30 AM	12/15/2014	3:55 PM																									
<b>Discovered On:</b> 12/15/2014																												
Event Description: On 12/12/2014 at 0430 hrs, the CO analyzer at Cogen 2000 began to malfunction. Repairs were made and CO analyzer was successfully calibrated at 1555 hrs.																												
12/18/2014	6:36 PM	12/23/2014	2:44 AM																									
<b>Discovered On:</b> 12/22/2014																												
Event Description: The South Isomax Flare Water Seal Level Indicator began to malfunction on 12/18/2014 at 1836 hrs. Repairs were made and the indicator began working properly on 12/23/14 at 0244 hours.																												
12/19/2014	2:02 AM	12/20/2014	2:30 PM																									
<b>Discovered On:</b> 12/22/2014																												
Event Description: On 12/19/2014 at 0202 hrs, the NOx analyzer at F-355 (360E) began to malfunction. The last good calibration occurred on 12/18/14 at 0500 hrs. Repairs were made and F-355 (360E), was successfully calibrated on 12/20/14 at 1430 hrs.																												
12/20/2014	6:30 AM	12/22/2014	11:00 AM																									
<b>Discovered On:</b> 12/22/2014																												
Event Description: On 12/20/14 at 0630 hrs, the NOx analyzer at F-710 began to malfunction. The last successful calibration occurred on 12/20/14 at 0430 hrs.																												
Repairs were made and F-710 was successfully calibrated on 12/22/14 at 1100 hrs.																												
12/21/2014	8:10 AM	12/23/2014	8:34 AM																									
<b>Discovered On:</b> 12/23/2014																												
Event Description: On 12/21/14 at 08:10 AM, the North Isomax flare water seal indicator began to malfunction. Repairs were made and the indicator began working properly on 12/23/14 at 08:34 AM.																												
12/23/2014	10:20 AM	12/31/2014	2:19 PM																									
<b>Discovered On:</b> 12/24/2014																												
Event Description: On 12/23/14 at 1020 hrs, the LSFO flare water seal indicator began to malfunction. Repairs were made and the water seal indicator began working properly on 12/31/2014 @ 1419 hrs.																												

#### Certification Statement

I certify under penalty of law that based on the information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and exhibits are true, accurate, and complete.

X  **Kory Judd**  
 Signature of Responsible Official Print Name Title **General Manager Richmond Refinery**  
 Date **28 Jan 2015**